RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/762,836_
Source: _1FW16_
Date Processed by STIC: _4/5/07_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 04/05/2007
PATENT APPLICATION: US/10/762,836   TIME: 09:55:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\04052007\J762836.raw

```
 4 <110> APPLICANT: Riss, Terry L.
 5        Niles, Andrew
 6        Moravec, Richard A.
 7        Promega Corporation
 9 <120> TITLE OF INVENTION: LUMINOGENIC AND NONLUMINOGENIC MULTIPLEX
10        ASSAY
12 <130> FILE REFERENCE: 341.029US1
14 <140> CURRENT APPLICATION NUMBER: 10/762,836
15 <141> CURRENT FILING DATE: 2004-01-22
17 <160> NUMBER OF SEQ ID NOS: 24
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 5
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: A synthetic peptide
29 <220> FEATURE:
30 <221> NAME/KEY: SITE
31 <222> LOCATION: 1
32 <223> OTHER INFORMATION: Xaa = Trp or Leu
34 <220> FEATURE:
35 <221> NAME/KEY: SITE
36 <222> LOCATION: 5
37 <223> OTHER INFORMATION: Xaa = any amino acid
39 <400> SEQUENCE: 1
```

40 Xaa Glu His Asp Xaa">

```
41    1                 5
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 5
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: A synthetic peptide
51 <220> FEATURE:
52 <221> NAME/KEY: SITE
53 <222> LOCATION: 3, 5
54 <223> OTHER INFORMATION: Xaa = any amino acid
56 <400> SEQUENCE: 2
```

W--> 57 Asp Glu Xaa Asp Xaa

```
58    1                 5
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 5
```

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```
       62 <212> TYPE: PRT
       63 <213> ORGANISM: Artificial Sequence
       65 <220> FEATURE:
       66 <223> OTHER INFORMATION: A synthetic peptide
       68 <220> FEATURE:
       69 <221> NAME/KEY: SITE
       70 <222> LOCATION: 1
       71 <223> OTHER INFORMATION: Xaa = Leu or Val
       73 <220> FEATURE:
       74 <221> NAME/KEY: SITE
       75 <222> LOCATION: 3, 5
       76 <223> OTHER INFORMATION: Xaa = any amino acid
       78 <400> SEQUENCE: 3
W--> 79 Xaa Glu Xaa Asp Xaa
       80  1                 5
       82 <210> SEQ ID NO: 4
       83 <211> LENGTH: 5
       84 <212> TYPE: PRT
       85 <213> ORGANISM: Artificial Sequence
       87 <220> FEATURE:
       88 <223> OTHER INFORMATION: A synthetic peptide
       90 <220> FEATURE:
       91 <221> NAME/KEY: SITE
       92 <222> LOCATION: 5
       93 <223> OTHER INFORMATION: Xaa = any amino acid
       95 <400> SEQUENCE: 4
W--> 96 Ile Glu Gly Arg Xaa
       97  1                 5
       99 <210> SEQ ID NO: 5
      100 <211> LENGTH: 7
      101 <212> TYPE: PRT
      102 <213> ORGANISM: Artificial Sequence
      104 <220> FEATURE:
      105 <223> OTHER INFORMATION: A synthetic peptide
      107 <220> FEATURE:
      108 <221> NAME/KEY: SITE
      109 <222> LOCATION: 3, 5
      110 <223> OTHER INFORMATION: Xaa = any amino acid
      112 <220> FEATURE:
      113 <221> NAME/KEY: SITE
      114 <222> LOCATION: 7
      115 <223> OTHER INFORMATION: Xaa = Ser or Gly
      117 <400> SEQUENCE: 5
W--> 118 Glu Asn Xaa Tyr Xaa Gln Xaa
      119  1                 5
      121 <210> SEQ ID NO: 6
      122 <211> LENGTH: 5
      123 <212> TYPE: PRT
      124 <213> ORGANISM: Artificial Sequence
```

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```
      126 <220> FEATURE:
      127 <223> OTHER INFORMATION: A synthetic peptide
      129 <220> FEATURE:
      130 <221> NAME/KEY: SITE
      131 <222> LOCATION: 5
      132 <223> OTHER INFORMATION: Xaa = any amino acid
      134 <400> SEQUENCE: 6
W-->  135 Pro Arg Asn Lys Xaa
      136 1                5
      138 <210> SEQ ID NO: 7
      139 <211> LENGTH: 14
      140 <212> TYPE: PRT
      141 <213> ORGANISM: Artificial Sequence
      143 <220> FEATURE:
      144 <223> OTHER INFORMATION: A synthetic peptide
      146 <220> FEATURE:
      147 <221> NAME/KEY: SITE
      148 <222> LOCATION: 6
      149 <223> OTHER INFORMATION: Xaa = Lys or Asn
      151 <220> FEATURE:
      152 <221> NAME/KEY: SITE
      153 <222> LOCATION: 7
      154 <223> OTHER INFORMATION: Xaa = Met or Leu
      156 <400> SEQUENCE: 7
W-->  157 Glu Ile Ser Glu Val Xaa Xaa Asp Ala Glu Phe Arg His Asp
      158 1                5                   10
      160 <210> SEQ ID NO: 8
      161 <211> LENGTH: 10
      162 <212> TYPE: PRT
      163 <213> ORGANISM: Artificial Sequence
      165 <220> FEATURE:
      166 <223> OTHER INFORMATION: A synthetic peptide
      168 <400> SEQUENCE: 8
      169 Ser Glu Val Asn Leu Asp Ala Glu Phe Arg
      170 1                5                   10
      172 <210> SEQ ID NO: 9
      173 <211> LENGTH: 4
      174 <212> TYPE: PRT
      175 <213> ORGANISM: Artificial Sequence
      177 <220> FEATURE:
      178 <223> OTHER INFORMATION: A synthetic peptide
      180 <400> SEQUENCE: 9
      181 Asp Glu Val Asp
      182 1
      184 <210> SEQ ID NO: 10
      185 <211> LENGTH: 4
      186 <212> TYPE: PRT
      187 <213> ORGANISM: Artificial Sequence
      189 <220> FEATURE:
```

190 <223> OTHER INFORMATION: A synthetic peptide
192 <400> SEQUENCE: 10
193 Trp Glu His Asp
194 1
196 <210> SEQ ID NO: 11
197 <211> LENGTH: 4
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: A synthetic peptide
204 <400> SEQUENCE: 11
205 Leu Glu His Asp
206 1
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 4
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: A synthetic peptide
216 <400> SEQUENCE: 12
217 Val Glu Ile Asp
218 1
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 4
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: A synthetic peptide
228 <400> SEQUENCE: 13
229 Val Glu Val Asp
230 1
232 <210> SEQ ID NO: 14
233 <211> LENGTH: 4
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: A synthetic peptide
240 <400> SEQUENCE: 14
241 Val Glu His Asp
242 1
244 <210> SEQ ID NO: 15
245 <211> LENGTH: 4
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: A synthetic peptide
252 <400> SEQUENCE: 15
253 Ile Glu Thr Asp
254 1

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PATENT APPLICATION: US/10/762,836   TIME: 09:55:14

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\04052007\J762836.raw**

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    256 <210> SEQ ID NO: 16
    257 <211> LENGTH: 4
    258 <212> TYPE: PRT
    259 <213> ORGANISM: Artificial Sequence
    261 <220> FEATURE:
    262 <223> OTHER INFORMATION: A synthetic peptide
    264 <400> SEQUENCE: 16
    265 Ala Glu Val Asp
    266  1
    268 <210> SEQ ID NO: 17
    269 <211> LENGTH: 4
    270 <212> TYPE: PRT
    271 <213> ORGANISM: Artificial Sequence
    273 <220> FEATURE:
    274 <223> OTHER INFORMATION: A synthetic peptide
    276 <220> FEATURE:
    277 <221> NAME/KEY: SITE
    278 <222> LOCATION: 3
    279 <223> OTHER INFORMATION: Xaa = any amino acid
    281 <400> SEQUENCE: 17
W-->282 Leu Glu Xaa Asp
    283  1
    285 <210> SEQ ID NO: 18
    286 <211> LENGTH: 4
    287 <212> TYPE: PRT
    288 <213> ORGANISM: Artificial Sequence
    290 <220> FEATURE:
    291 <223> OTHER INFORMATION: A synthetic peptide
    293 <220> FEATURE:
    294 <221> NAME/KEY: SITE
    295 <222> LOCATION: 3
    296 <223> OTHER INFORMATION: Xaa = any amino acid
    298 <400> SEQUENCE: 18
W-->299 Val Glu Xaa Asp
    300  1
    302 <210> SEQ ID NO: 19
    303 <211> LENGTH: 4
    304 <212> TYPE: PRT
    305 <213> ORGANISM: Artificial Sequence
    307 <220> FEATURE:
    308 <223> OTHER INFORMATION: A synthetic peptide
    310 <400> SEQUENCE: 19
    311 Ile Glu His Asp
    312  1
    314 <210> SEQ ID NO: 20
    315 <211> LENGTH: 4
    316 <212> TYPE: PRT
    317 <213> ORGANISM: Artificial Sequence
    319 <220> FEATURE:
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/05/2007
PATENT APPLICATION: US/10/762,836   TIME: 09:55:15

FYI

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\04052007\J762836.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,5
Seq#:2; Xaa Pos. 3,5
Seq#:3; Xaa Pos. 1,3,5
Seq#:4; Xaa Pos. 5
Seq#:5; Xaa Pos. 3,5,0
Seq#:6; Xaa Pos. 5
Seq#:7; Xaa Pos. 6,7
Seq#:17; Xaa Pos. 3
Seq#:18; Xaa Pos. 3
Seq#:21; Xaa Pos. 1
Seq#:23; Xaa Pos. 1,2,3

VERIFICATION SUMMARY   DATE: 04/05/2007
PATENT APPLICATION: **US/10/762,836**   TIME: 09:55:15

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\04052007\J762836.raw**

```
L:40  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:57  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:79  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:96  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
```